

Name: _____

at1110paper__practice__test (v2)

1. Expand the following expression into standard form.

$$(2x + 3)(4x + 9)$$

2. Factor the expression.

$$x^2 + 4x - 12$$

3. Solve the equation.

$$6x^2 + 24x + 45 = 4x^2 + 3x + 5$$

4. Factor the expression.

$$25x^2 - 49$$

5. Solve the equation.

$$(3x + 4)(2x + 7) = 0$$

6. Solve the equation with factoring by grouping.

$$10x^2 + 15x + 12x + 18 = 0$$

7. Expand the following expression into standard form.

$$(2x - 7)(2x + 7)$$

8. Expand the following expression into standard form.

$$(6x + 7)^2$$